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Model #: AVR550U

AVR Series Line-Interactive UPS System - Affordable line-interactive protection for PCs and workstations

Highlights

- 550VA ultra-compact line-interactive UPS
- Maintains 120V nominal output over an input range of 83V to 147V
- Workstation-optimized features include USB port (HID-PDC compliant), single-line TEL / DSL surge suppression, 4 battery- and surge-protected outlets and 4 surge-only outlets (8 total)
- Space saving right-angle input plug
- Input: NEMA 5-15P (120V 15A) / Output: 8 NEMA 5-15R (120V)
- 2-year product warranty / $100,000 Ultimate Lifetime Insurance (USA, Puerto Rico and Canada only)

Description

Tripp Lite's AVR550U line-interactive UPS offers complete protection for PCs, workstations and other sensitive electronics in an ultra-compact, mountable housing. Prevents data loss and system downtime by providing battery-supported AC output during blackouts and Automatic Voltage Regulation (AVR) during brownouts and overvoltages. 8 output receptacles, 2 of which are widely spaced to accommodate large transformer plugs without blocking outlets. 4 outlets feature full battery support and surge suppression, protecting computers, monitors and other vital system components from loss of power. 4 additional outlets with surge suppression only are ideal for printers and other peripherals not requiring battery support. Single-line telephone suppression jacks protect modems, fax machines, cordless phones and other equipment with standard dialup or DSL RJ-11 phone line connections. USB port with included cable and PowerAlert monitoring software enables safe unattended system shutdown in the case of extended power failure. HID-compliant USB interface enables integration with built-in power management and auto shutdown features of Windows and Mac OS X. Audible alarm and front panel LEDs offer status information regarding line and battery power operation. 550VA/300 watt power handling ability supports entry-level PCs for up to 17 minutes during power failures. 2-year warranty. $100,000 Ultimate Lifetime Insurance (USA, Puerto Rico and Canada only).

Applications

- Basic PCs for home/home-office use, network workstations, audio/video equipment, home entertainment systems and other sensitive electronic devices.

Package Includes

- AVR550U UPS System
- PowerAlert Software, USB cable, Phone cable
- Instruction manual with warranty information

Features

- AVR550U line interactive UPS offers complete protection from blackouts, brownouts and surges on both AC and Tel/DSL line connections
- Built-in Automatic Voltage Regulation (AVR) boosts brownouts as low as 83 and reduces overvoltages up to 147 back to usable 120V nominal levels
- 8 outlets, two of which are widely spaced to accommodate large transformer plugs without blocking outlets
- 4 battery supported outlets protect computer, monitor and vital system peripherals, plus 4 additional surge suppression-only outlets for printers and other system accessories not requiring battery support

- Provides battery derived AC output during blackouts, voltage boost during brownouts and voltage reduction during overvoltages
- 550VA/300 watt power handling ability supports a variety of PCs, workstations and other sensitive electronics
- Supports entry-level PC systems up to 17 minutes during blackout conditions
- Built-in single line Tel/DSL line surge suppression protects modem, fax machine or cordless phone
- USB port, PowerAlert software and cabling offer safe unattended shutdown without data loss during extended outages
- HID compliant USB port enables integration with built-in power management and auto shutdown features of Windows and Mac OS X
- Supports Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application/OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
- Hot swappable user battery replacement supported via battery access door
- Space saving, ultra-compact housing fits almost anywhere
- Keyhole mounting flanges enable secure wallmount installation

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	120VAC
Frequency compatibility	60Hz
OUTPUT	
Output VA	550
Output watts	300
Output nominal voltage	120VAC
Output voltage regulation	Sine wave 120V +8% / -21% (line mode) / PWM sine wave 115V +/-5% (battery mode)
Output frequency regulation	LINE MODE: Passes line frequency of 60Hz +/-10% BATTERY MODE: Inverter output regulated to 60Hz +/-0.5Hz
Outlet quantity / type	8 NEMA 5-15R
INPUT	
Maximum input amps	12A
Input connection type	NEMA 5-15P, right-angle plug
Input cord length	6ft / 1.8m
Recommended Electrical Service	120V 15A
BATTERY	
Full load runtime	3 minutes
Half load runtime	9 minutes
DC system voltage	12 VDC
Typical battery lifespan	3-6 years, depending on usage
Battery recharge rate	2-4 hours to 90%
VOLTAGE REGULATION	
Voltage regulation description	Automatic voltage regulation maintains 120V nominal over an input voltage range of 83 to 147
Overvoltage correction	Output voltage is reduced by 12% as line voltage increases to 128V or higher
Brownout correction	Output voltage is boosted by 14% as line voltage decreases to 104V or lower
LEDS ALARMS & SWITCHES	
Front panel LEDs	2 LEDs indicate line power, battery power status
Alarms	Audible alarm beeps at regular intervals to indicate battery backup operation. Alarm also sounds during self-test operation. Alarm can be disabled altogether via PowerAlert software

Switches	Combination power off / on / self-test push button switch
SURGE / NOISE SUPPRESSION	
AC surge suppression	400 joules
Dataline suppression	Tel/DSL
EMI / RFI AC noise suppression	Yes
PHYSICAL	
Shipping weight (lbs)	14.25
Shipping weight (kg)	6.47
Shipping Dimensions (HWD/in)	4.75 x 13.5 x 8.75
Shipping Dimensions (HWD/cm)	12.07 x 34.29 x 22.23
Unit weight (lbs)	10.95
Unit weight (kg)	4.97
Unit Dimensions (HWD/in)	3.5 x 11.25 x 6
Unit Dimensions (HWD/cm)	8.89 x 28.56 x 15.24
Material of construction	ABS
Form factors supported	Ultra-compact
Battery Access	Hot-swappable batteries are accessible via battery door
ENVIRONMENTAL	
Relative Humidity	0 to 95%, non-condensing
Storage Temperature	+5 to +122 degrees Fahrenheit / -15 to +50 degrees Celsius
Operating Temperature	+32 to +104 degrees Fahrenheit / 0 to +40 degrees Celsius
COMMUNICATIONS	
Network monitoring port	USB (HID)
Software and cabling included	Includes USB cable and PowerAlert UPS monitoring software
WatchDog compatibility	Yes, compatible with Tripp Lite's Watchdog system service to restore operation to locked equipment through soft reboot of application / OS or hard power off/on reboot of connected equipment - ideal for unattended kiosk applications
LINE / BATTERY TRANSFER	
Transfer time from line power to battery mode	2-4 milliseconds
Low voltage transfer to battery power	Switches to battery power as line voltage drops to 83V or lower / Resets to AC mode as line voltage increases to 87V or higher
High voltage transfer to battery power	Switches to battery power as line voltage increases to 147V or higher / Resets to line power as line voltage drops to 143V or less
SPECIAL FEATURES	
Cold Start	Yes, inverter can be "cold started" to enable temporary AC output during a power failure
CERTIFICATIONS	
Certifications	Tested to UL1778 (USA), CSA C22.2 No. 107.3 (Canada), NOM (Mexico), Class B (Emissions), FCC Part 68 and Industry Canada (Telecommunications)
WARRANTY	

Product Warranty Period	2 years
Connected Equipment Coverage	$100,000 connected equipment insurance (USA, Puerto Rico and Canada only)
Optional Coverage	Optional 3 and 5 year on site or factory warranties available for select opportunities, contact Tripp Lite for more information

Related Items

Audio Cables		
CT120	Instant-Read- AC Outlet Circuit Tester	Qty: [optional]

Extended Warranties		
WEXT3-INTERNET	3-Year Extended Warranty - For Internet Office Models	Qty: [optional]
WEXT5-INTERNET	5-Year Extended Warranty - For Internet Office Models	Qty: [optional]

Software		
WATCHDOGSW	WatchDog Service Monitoring / Reboot Software	Qty: [optional]

Surge Protectors		
DTEL2	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DNET1	Network Surge Suppressor - Essential protection for data and communication lines	Qty: [optional]
DCATV	Network Surge Suppressor - Essential protection for TV/VCR coaxial lines	Qty: [optional]

USB Cables & Adapters		
U005-10I	USB Gold Extension cable - USB "A" Right Angle Male to USB "A" Female - 10"	Qty: [optional]

USB Hubs/Accessories		
U222-004-R	USB Hubs - 4-Port USB 2.0 Certified Ultra-Mini Hub	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3090.

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